

Design of Electric Power Networks; vol. 2

POL/1567

Professor E. Jezierski (transformers), Professor K. Przanowski and Docent, Doctor A. Kaminski for reviewing the material and offering valuable suggestions. He also thanks J. Bursztynski, Master of Science in electrical engineering, for help in collecting the material and preparing numerical examples and drawings. There are 50 references, of which 18 are Soviet, 14 German, 9 English, 8 Polish, and 1 Italian.

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~~Cont-2/7~~

KONCZYKOWSKI, T.

"Domestically Produced Automobile Equipment" p. 6 (Technika Motoryzacyjna, Vol. 3, No. 1, Jan. 1953, Warszawa)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, February, 1954, Uncl.

KONCZYKOWSKI, W.

Problem of initial tension in feather springs; forces influencing springs.
Pt. 2. p. 15. (TECHNIKA MOTORYZACYJNA, Vol. 4, No. 1, Jan. 1954, Warszawa,
Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec.
1954, Uncl.

KONCZYKOWSKI, W.

Problem of a self-starting brake on a trailer. p.14. (TECHNIKA MOTOFIZYCZNA, Warszawa, Vol. 5, No. 1, Jan. 1955)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

KONCZYKOWSKI, W.

Considering the guiding principles of construction of an automobile with a large loading capacity and a high compression engine. p. 45.

TECHNIKA MOTORYZACYJNA, Vol. 6, No. 2, Feb. 1956, Poland

S0: East European Accessions List, Lib. of Cong., Vol. 5, No. 10, Oct. 1956.

KONCZYKOWSKI, W.

Remarks on telescopic hydraulic shock absorbers. p. 169

TECHNIKA MOTORIZACYJNA vol. 6, no. 6, June 1956

Poznań

so. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 10 Oct. 1956

KONCZYKOWSKI, Witold, dr inz.

Problem of dynamic loads of the driving system of an automobile.
Pt.1. Techn motor 15 no.3:78-81 Mr '65.

KONCZYNSKI, H.

Grounding in wire telecommunication as a safety measure against atmospheric electricity. p. 110.

TELE-RADIO. (Stowarzyszenie Elektrykow Polskich. Sekcja Telekomunikacyjna)
Warsaw, Poland.
Vol. 4, no. 3, Mar, 1959.

Monthly list of East European Accesssions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

KONCZYNSKI, H.

Determination in number and distribution in area of artificial multiple grounding electrodes depending on technical and economic factors. Archiw elektrotech 10 no.1:129-146 '61.

1. Instytut Łączności, Warszawa.

KONCZYNSKI, Henryk, mgr. inż.

New methods for the construction of grounding electrodes. Przegl
elektrotechn 38 no.3:113-115 Mr '62

1. Instytut Łączności, Warszawa.

KONCZYNSKI, Henryk, mgr inz.

New grounding methods. Wlad elektrotechn 31 no.7:164-165
Jl '63.

KONCZYNSKI, Henryk

Economical grounding electrodes in soils of relatively low conductivity. Inst. łączn. prace 8 no.3:71-96 '61

GLINSKI, S.; GNIEWIEWSKI, J.; JAKUBOWSKI, J.L.; KONCZYNSKI, H.

Seventh International Conference on Lighting Protection. Przegl
elektrotechn 41 no.1:19-24 Ja '65.

KONDAC, S.

Kondac, S.

Interrow cultivation of crops. p. 195.

Vol. 5, no. 10, May 1955
MECHANISACE ZEMEDILSTVI

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,
Sept. 1955, Uncl.

KONDAC, S.

Experiences in concluding contracts between machine-tractor stations
and collective farms.

p. 43
Vol. 6, no. 3, 1956
MECHANISACE ZEMEDELSTVI
Praha

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 12
December 1956

KONDAC, S.

Preparation of agronomists at machine-tractor stations for combine harvesting.
p. 187.

Vol. 6, no. 10, May 1956

SBORNIK. RAD A MECHANISACE A ELETRIFIKACE ZEMEDLSTVI A LESNICTVI

Czechoslovakia

Source: EAST EUROPEAN LISTS Vol. 5, no. 11 Nov. 1956

KONDAK, M. A.

Teplotekhnichne vymirche pryladdia; red. i peredmovi T. T. Usenka. Kyiv, Vyd-vo
Kasy vzaemodopomohy studentiv Kyivs'kogo politekhn. in-tu, 1930. 125 p. illus.

Heat measuring instrument.

DLC: Q0271.K64

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

1ST AND 2ND COLUMNS																										3RD AND 4TH COLUMNS																									
COMMON ELEMENTS																										COMMON PARTS AND NOTES																									
<p>Continuous centrifugal diffusion battery and drier for pulps. M. A. KONDAR. <i>Nash. Zapiski Tsvetovos Prom.</i> 24, 49-68(1932).--The diffusion battery consists of 3 horizontal centrifugals and a pulp drier, which is an ordinary enclosed elevator-conveyor. The pulp is dried by exhaust gas from the boilers. The gas is pumped in and exhausted by 2 ventilators. Calcn. of centrifugals, their resistance and motive power required are given. Most advantageous addition of ... V. E. BAIZOV</p>																																																			
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28

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Regeneration of filter-press mud in sugar manufacture. M. A. Kudach and D. M. Zubritskii. *Nauk. Zapiski Tsukrcool Prom.* 10, No. 31, 83 (1961).--A scheme for regeneration of filter-press mud in which the mud is dried by countercurrent hot gases at 280-380° and then transferred to a special chamber where it is decumped. at 1200-1250° to CaO and CO₂. The lime obtained is of a fine structure. This scheme eliminates the lime kiln and the expense of buying and transporting CaCO₃. Two drawings are given.

ASAC-54 METALLURGICAL LITERATURE CLASSIFICATION

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PROCESSED AND PROPERTIES UNDER																			
<p>BC</p> <p>B-III-2</p> <p>One-bodied evaporating plant with (best) juice evaporation in suspension. M. A. KONDAR, P. A. VARNICHANSKI, N. I. KOSAROV, and P. P. NARNOV (Nauch. Zapiski Rach. Prom., 1934, 84, 65-75).--A system of evaporation by superheated steam, not yet tested practically, is described, with detailed calculations. The steam is used repeatedly, after superheating independently of the boiler, which is of small capacity. The plant required is much smaller than that now used.</p> <p>J. H. L.</p>																			
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<p><i>Ca</i> 16</p> <p>Apparatus for a continuous boiling and breaking up of the raw material in the alcohol industry. M. A. Kopyak and P. A. Vecherskii. Russ. 53,790, Sept. 30, 1958. Construction details.</p>																																																			
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31

Apparatus for pulping filter cake in the production of pectin adhesive. M. A. Kondak and P. A. Veberskil. U.S.S.R. 67,136, Sept. 30, 1946. M. H.

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

100000	200000	300000	400000	500000	600000	700000	800000	900000	1000000

KORDAK, M.A.

35276. Modernizatsiya malometraznykh parovykh kotlov. (Po metodu avtora) v SB: 50 Let Knavsk. Politekhn. In-Ta Kiev, 1948, S. 381-86

50: Letopis' Zhurnal'nykh Statey Vol. 34, 1949 Moskva

KONDAKOV, M. D.

KONDAKOV, M. D. -- "Fine Turning of Pig Iron by Means of Hard Alloy Cutters." Sub 16 Jun 52, Moscow Order of Labor Red Banner Higher Technical School imeni Bauman. (Dissertation for the Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January December 1952

BELIK, N.I.; KONDAK, M.A.; doktor tekhnicheskikh nauk, redaktor; MINE-
VICH, I.N., tekhnicheskiiy redaktor.

[Micromanometers] Mikromanometry. Kiev, Gos. izd-vo tekhn. lit-
ry USSR, 1953. 150 p. (MLRA 8:2)
(Manometers)

KONDAK, M. A.

"Pumpless Automatic Feeding of Low Productive Capacity Steam Boilers for Heating Equipment." Cand Tech Sci, Kiev Construction Engineering Inst, 26 Nov 54. (PU, 14 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 42 (USSR) SOV/124-57-3-2929

AUTHORS: Kondak, M. A., Sigal, I. Ya.

TITLE: Investigation of Multi-jet Gas Burners Equipped With Combustion-stabilizing Nozzle Screens (Issledovaniye mnogosopel'nykh gazovyykh gorelok s setchatoy ognevoy nasadkoy)

PERIODICAL: Izv. Kiyevsk. politekhn. in-ta, 1955, Nr 18, pp 293-309

ABSTRACT: The multi-jet gas burners equipped with combustion-stabilizing nozzle screens were designed for boiler and water-heater installations. The blasting air is injected into the furnace by means of a jet of combustible gas blown through the burner nozzles. A combustion-stabilizing screen consisting of 1.8-mm cells, which are sufficiently narrow to prevent any flashback, is installed over the nozzles for the purpose of stabilizing the flame. The tests performed revealed stable functioning of the burners without flashbacks or flame separation under gas pressures ranging from 5 to 3000 mm of water. It was determined that without any special cooling of the nozzles the most efficient operation took place within a gas-pressure range of 20-100 mm of water and with

Card 1/2

SOV/124-57-3-2929

Investigation of Multi-jet Gas Burners Equipped With Combustion (cont.)

primary-air excess coefficients in the 0.80-0.85 range. The design of gas burners described here affords a reduction in the gas-burner dimensions.

S. M. Il'yashenko

Card 2/2

KONDAK, M.A.; KONDAK, N.M.

Increasing the capacity and efficiency of grate-type furnaces
and boiler installations of industrial plants. Sakh. prom. 31
no. 5:56-59 My '57. (Furnaces) (Boilers) (MLRA 10:6)

KONDAK, M.A.; SHVTSOV, D.S.; ZALIVSKAYA, L.A.; VOLKOV, V.P.

Effective arrangement of iron economizers. Sakh. prom. 31 no.10:40-
45 0 '57. (MIRA 11:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy pro-
myshlennosti.

(Boilers)

KONDAK, M.A.; ROY, F.F.

Increase of the heat efficiency of industrial boiler houses.
Sakh.prom. 34 no.2:29-36 P '60. (MIRA 13:5)
(Boilers)

SHVETS, Ivan Trofimovich, prof.; KONDAK, Mikhail Andrianovich, prof.;
KIRAKOVSKIY, Nikolay Feliksovich, dotsent; NEBOZHII, Ivan Afanas'yevich,
dotsent; SHEVTSOV, Dmitriy Semenovich, dotsent; SHELUD'KO, Ivan
Mikhaylovich, dotsent; PETRENKO, S.I., dotsent, kand.tekhn.nauk,
retsazent; SERDYUKOV, P.T., inzh., red.; ONISHCHENKO, N.P., inzh.,
red.; GORNOSTAYPOL'SKAYA, M.S., tekhn.red.

[Heat engineering] Obshchaya teplotekhnika. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit.lit-ry, 1960. 459 p.

(MIRA 14:3)

(Heat engineering)

ALABOVSKIY, A.N., kand.tekhn.nauk; ALEKSEYEV, A.V.; KONDAK, M.A., doktor
tekhn.nauk

Study of the front-end devices of sectionalized combustion chambers
of gas turbine systems. Energ. i elektrotekh. prom. no.2:26-29
Ap-Je '62. (MIRA 15:6)

1. Kiyevskiy politekhnicheskiy institut.
(Gas turbines)

KONDAK, M.A., doktor tekhn. nauk; KRYZHANOVSKIY, V.N., inzh.

Intensification of combustion processes in the combustion chambers
of gas turbine systems operating on natural gas. Energ. i elektro-
tekh. prom. no.3:34-36 J1-S '64.

(MIRA 17:11)

NOVOSIL, N.S., doktor, tekhn. nauk; ELISHCHENKO, Yu.A., kandi. tekhn. nauk;
NOVOSIL, V.N., inzh.; SEYDIN, G.S., inzh.

Study of registering frontal devices with central gas supply. Energ.
1 elektrotokh. prom. no.1:26-28 Jan-Mr '65. (MIRA 1315)

KONDAR, M.A., doktor tekhn.nauk; KRYZHANOVSKIY, V.N., inzh.

High temperature stress combustion chamber of a gas turbine
system operating on natural gas. Energ. i elektrotekh. prom.
no.2328-30 Apr-Je '65.

(MIRA 18:8)

L 29952-66 EWT(d)/EWT(m)/T/EWP(f) WW/WE

ACC NR: AR6003722

SOURCE CODE: UR/0285/65/000/009/0018/0018

AUTHOR: Babenko, Yu. A.; Batyuk, G. S.; Kondak, M. A.

68
B

TITLE: Study of the combustion chamber elements of a stationary gas turbine operating on natural gas.

SOURCE: Ref. zh. Turbostroyeniye, Abs. 9.49.119

REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta. Ser. Teploenerg., no. 1, 1964, 45-49

TOPIC TAGS: gas turbine engine, ~~engine combustion system~~, combustion kinetics, combustion research, ~~combustion chamber~~, fuel consumption, natural gas

ABSTRACT: The simultaneous control of fuel consumption¹ and primary air is an important factor when natural gas is used in a mixture with air. However, this control is not given enough consideration as yet when applied to stationary gas turbines. The recording front devices with a central gas supply are studied, and work on the possibility of technological application of kinetic methods of gas combustion was carried out. The study showed a high degree of combustion stability at a mixture velocity of 100 to 120 m/sec. and high operating characteristics for

Card 1/2

L 29952-66

ACC NR: AR6003722

plane and conical screens which facilitate the formation of short
tongues (0.1 to 0.2 m). A method of calculation is developed.

T. Gonikberg

SUB CODE: 21/ SUBM DATE: none

Card 2/2 CC

L 29953-66 ENT(m)/T WE

ACC NR: AR6003723

SOURCE CODE: UR/0285/65/000/009/0018/0018

AUTHOR: Kondak, M. A.; Kryzhanovskiy, V. N.; Batyuk, G. S. 78

TITLE: Stability of the combustion process and stabilization of the perforated screen B

SOURCE: Ref. zh. Turbostroyeniye, Abs. 9.49.120

REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta, Ser. teploenerg., no. 1, 1964, 25-29 III

TOPIC TAGS: combustion research, thermal stress, natural gas, gas turbine engine, *combustion chamber, combustion*

ABSTRACT: Combustion chambers for premixed natural gas and air with stabilizing perforated screens of various design were investigated. It was established that the thermal stress of the firebox can reach 210.10^6 kcal/m³/h. Combustion is practically 100%. It covers the whole range of operations of gas turbine engines and industrial burners of various applications. Such types of combustion chambers will have wide use in engines operating on natural gas. 5 figures. T. Gonikberg

SUB CODE: 21/ SUBM DATE: none

Card 1/1 CC

KONDAK, Maria, (Bialystok, Osada Dojlidy, Ul. Sarnia 5)

The intensity of oviposition by intestinal parasites in
tarpons. Acta parasit Pol 12 no.1/12:93-95 '64.

1. Zoological Institute, University, Warsaw. Head:Prof.
Dr.Zdzislaw Raabe.

KONDAK, M.M.

SHVETS', I.T.; DIBAN, E.; KONDAK, M.M.

The problem of contact heat exchange. Dop. AN URSR no.5:345-350
154. (MIRA 8:7)

1. Mysniy chlen AN URSR (for Shvets'). 2. Institut teploenergetiki
AN URSR. (Heat—Conduction)

SHVETS, I.T.; DYBAN, Ye.P., mladshiy nauchnyy sotrudnik; KONDAK, N.M., kandidat tekhnicheskikh nauk.

Research on contact heat exchange between parts of heat engines. Trudy Inst.tepl.USSR no.12:21-53 '55. (MIRA 9:7)

1.Deystvitel'nyy chlen AN USSR (for Shvets).
(Heat--Transmission) (Heat engines)

GRIN', Leonid Petrovich; DZHUVA GO, V.P., kandidat tekhnicheskikh nauk, retsenzent; ~~KONDAK, N.M.~~, kandidat tekhnicheskikh nauk, redaktor; SERDYUK, V.K., inzhener, redaktor izdatel'stva; RUDENSKIY, Ya.V., tekhnicheskii redaktor

[Gas generators for power in agriculture] Silovye gazogeneratorskiye ustanovki dlia sel'skogo khoziaistva. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 195 p. (MLRA 9:12)
(Gas producers)

Kondak, N. M.

USSR/Fluid Mechanics

Abs Jour: Ref Zhur Mekhanika, No 8, 1957; 9104

Author : Dyban, Ye. P., Kondak, N. M., Shvets, I. T.

Inst :

Title : A comparative study of the cooling of gas-turbine discs by radial air-flow and by blowing air through the stems of the working blades.

Orig Pub: Izv. AN SSSR, Otd. tekhn. n., 1956, No 6, 77-88

Abstract: Results of an experimental study of the cooling of gasturbine discs by blowing air through mounting clearances in joints of blades with stems of the her-ring-bone type. It is established that the coefficients of heat output to cooling air, and the hydraulic resistance in the developed turbulent state of the flow of air through the clearances are subject to certain relationships for pipes. Empirical relationships obtained by the authors are given for the transition state regions. An approximate method of determining the

Card 1/2

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 75 (USSR) SOV/124-57-8-9103

AUTHORS: Shvets, I. T., Dyban, Ye. P., Kondak, N. M.

TITLE: Investigation of the Cooling of Turbine Wheels by Means of Air Blown Through the Gaps in the Swallow-tail Mountings of the Blades
(Issledovaniye okhlazhdeniya diskov turbin produkoy vozdukha cherez montazhnyye zazory velochnykh khvostovikov rabochikh lopatok)

PERIODICAL: Sb. tr. In-ta teploenerg. AN UkrSSR, 1956, Nr 13, pp 20-30

ABSTRACT: An examination of the heat distribution in a turbine wheel equipped with blades when cooling air is blown through the gaps of the swallow-tail mountings. The authors solve the heat-conductivity equations and employ the well-known relationships for the heat-transfer coefficients relative to the elements of the turbine wheel, and thereby determine the temperature field in the region of the swallow-tail mountings. Equations are also adduced for the temperature of the rim in the root region and for the airflow rate when the wheel is air-cooled by means of radial flow, and the effectiveness of the two methods of cooling are compared. The comparison shows that the

Card 1/2

SOV/124-57-8-9103

Investigation of the Cooling of Turbine Wheels by Means of Air Blown (cont.)

cooling effectiveness of the method employing an air flow through the swallow-tail mounting gaps is greater than that of the radial-flow method. Ref. also RZhMekh, 1957, Nr 8, abstract 9104.

L. I. Kiselev

Card 2/2

SOV/124-58-1-413

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 50 (USSR)

AUTHOR: Kondak, N. M.

TITLE: On the Use of Annular Bends in Exhaust Pipes of Turbomachines (O primeneni kol'tsevykh povorotov v vykhlopnykh patrulkakh turbomashin)

PERIODICAL: Sb. tr. In-t teploenerg. AN UkrSSR, 1956, Nr 13, pp 31-40

ABSTRACT: In modern turbine powerplants up to 1.5-2.0% of the energy is wasted owing to poor exhaust design. The use of annular bends affords a significant increase in the efficiency of the exhaust pipes while retaining small axial dimensions therefor. An experimental investigation was performed on a model of an annular bend, wherein in the course of the tests both the internal configuration of the bend and its divergence were varied. Versions with and without guide vanes were tested; here, the bends not equipped with vanes were found to be of low efficiency. Profile-shaped vanes did not afford any noticeable advantage over aerodynamic arcs. The results adduced permit an evaluation of the losses in annular bends in terms of a number of geometrical factors. The speed (Mach-number) range within which these results are applicable are not indicated.

V. M. Akimov

Card 1/1

KONDAK, N.M.

KONDAK, M.A.; KONDAK, N.M.

Increasing the capacity and efficiency of grate-type furnaces
and boiler installations of industrial plants. Sakh. prom. 31
no.5:56-59 My '57. (MIRA 10:6)

(Furnaces)

(Boilers)

KHIL'CHENKO, Lev Nikolayevich; SMOLENSKIY, Aleksey Nikolayevich;
ARUTYUNOV, M.A., inzh., retsenzent; KATORGINA, L.A., inzh.,
retsenzent; KONDAK, E.M., kand.tekhn.nauk, red.; MAYEVSKIY,
V.V., inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn.red.

[Steam turbine control] Regulirovanie parovykh turbin. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 272 p.
(MIRA 14:2)

(Steam turbines)

IVANOV, Vasiliy Vasil'yevich, kand. tekhn. nauk; MOROZOV, S.G., inzh.,
retsenzent; KONDAK, N.M., kand. tekhn. nauk, retsenzent; ROMA-
NOVSKIY, I.A., inzh., red.; SOROKA, M.S., red.; GORNOSTAYPOL'SKAYA,
M.S., tekhn. red.

[Assembly and installation of steam turbines] Sborka i montazh parovykh
turbin. Kiev, Mashgiz, 1961. 192 p. (MIRA 14:12)
(Steam turbines)

DURKOV, Petr Ivanovich; ALEKSAPOL'SKIY, D.Ya., dotsent, retsenzent;
RAFALES, E.E., dotsent, retsenzent; PARSHCHIK, S.A., dotsent,
retsenzent; ROZOVSKIY, I.L., dotsent, kand.tekhn.nauk,
retsenzent; KONDAK, N.M., kand.tekhn.nauk, red.; ONISHCHENKO,
N.P., inzh., red.; TERNOSTATPOL'SKAYA, M.S., tekhn.red.

[Pumping and compressing machinery] Masosy i kompressornye
mashiny. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry, 1960. 281 p. (MIRA 14:4)
(Pumping machinery) (Compressors)
(Fans, Mechanical)

one of the most important of the many factors which have contributed to the development of the modern world.

S/032/61/027/009/004/019
B117/B101

AUTHORS: Bogomolov, K. S., Zubenko, V. V., Kondakhchan, A. O., and
Umanskiy, M. M.

TITLE: Comparison characteristics of new X-ray films

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 9, 1961, 1117-1122

TEXT: The photochemical industry of the USSR recently started the produc-
tion of new X-ray films with different photographic properties. (The new
X-ray films were elaborated at the Shostkinskiy khimzavod (Shostka Chemical
Plant) by A. O. Kondakhchan, S. A. Verkhovets, V. V. Vasil'yev, L. A.
Khomich, Z. I. Pavlenko, and tests were conducted by I. I. Shal'nov and
N. P. Blok. At the Kazanskiy zavod (Kazan' Plant), the films were
elaborated by I. A. Novik, and B. B. Tsyrlina, and the tests were conducted
by G. V. Derstuganov). The object of the present study was to determine
the main characteristics of the new films, including sensitometric
characteristics of the visible light, white X radiation at 80 kv tube
voltage and soft monochromatic radiation of different wavelengths. Most of
the methods of determining the characteristics mentioned are generally
Card 1/8 ✓

Comparison characteristics of ...

S/032/61/027/009/004/019
B117/B101

known. Only the method of determining the sensitometric characteristics with soft X radiation is described. The monochromatic radiation was obtained by the reflection from the monochromator crystal. Quartz (reflecting face 101), silicon (111) and, in some cases, LiF (100) were used. A narrow spectral range corresponding to the maximum of white radiation at 40 kv tube voltage was isolated for radiation with a wavelength of $\lambda = 0.45 \text{ \AA}$. The radiation intensity was kept constant by stabilizing the voltage of the entire installation and the anodic current of the tube. This was controlled by counting the impulses with a Geiger counter placed directly behind the film. To find the characteristic curve, a series of markings with different exposure times was obtained on the film. The temperature of the developer was kept constant at $18 \pm 0.5^\circ\text{C}$. Developing time was 8 min according to recommendations by manufacturers. A standard developer for X-ray film, and a developer of the zavod "Chistyie soli" (Plant "Chistyie soli") were used. The developed films were photometrically investigated on a microphotometer of the M Φ -4 (MF-4) type. On the basis of data obtained, characteristic curves $D = f(\log E)$ were plotted, where D = density of the blackening, and E = exposure. The relative film sensitivity $S_d=0.85$ and $S_g=1.0$, constant γ and the background density D_0 were determined from the characteristic curve. Card 2/ A.

Comparison characteristics of ...

S/032/61/027/009/004/019
B117/B101

The sensitivity for monochromatic X radiation was determined in a similar way in combination with an ~~YFAM~~(UFDM) intensifying screen. The investigations showed that the relative sensitivity of different films depended on the wavelength. The difference in sensitivity of films is reduced as the wavelength increases. The same is observed when using intensifying screens. The intensification coefficient of the screen increases with increasing light sensitivity of films. The new types of X-ray films can be used for X-ray structural, X-ray spectrum analyses, material tests (defectoscopy), etc. The main characteristics of the X-ray films investigated are listed in Table 1, the sensitivity of some X-ray films for monochromatic X radiation of different wavelengths in Table 2, and the sensitivity when using intensifying screens in Table 3. There are 6 tables, and 1 non-Soviet reference. ✓

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)
Nauchno-issledovatel'skiy kinofotoinstitut (Scientific Research Institute of Motion Picture Photography)

Card 3/8

1. KONDAKHCHAN, V.S.
2. USSR (600)
4. Technology
7. Manuel for the electrician on duty dealing with the needs of electric stations.
Izd. 2-e. Moskva, Gosenergoizdat, 1951
9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

KONDAYHCHAN, V. S.

Electric Power Distribution

Complete power distribution installations (KRU). Rab. energ. 2 No. 5 (1952)

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

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Electric Transformers

Load-carrying capacity of transformers with blast cooling system. Rab. energ. 2 no. 8, 1952.

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2. USSR (600)
4. Electric Transformers
7. Permissible overload to transformers, Rab.energ. 3 no. 3, 1953.
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1. KONDAKHCHAN, V.S.
2. USSR (600)
4. Electric Transformers
7. Vector diagrams of transformers, group connections and their operation in parallel, Rab.energ. 3 no. 3, 1953.

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KONDAKHCHAN, V.S., inzhener.

Aiding the student of the new "Rules of technical operation of
electric power plants and networks," Chapter 27: Transformers.
Energetik 1 no.7:25-29 D '53. (MLRA 6:12)
(Electric transformers)

KONDAKHCHNN, V.S.

KONDAKHCHAN, Vaag Saakovich; VORONTSOV, F.F., redaktor; FRIDKIN, A.M.,
tekhnicheskiy redaktor

[Manual for the electrician on duty assigned to servicing the
electric power station] Rukovodstvo dlia dezhurnogo elektromontera
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(Electric power stations)

KONDAKHCHAN, V. S.

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3-e, Izm. 1 Dop. M.L., Gosenergoizdat, 1974, 200s. S Ill. 20SM. 10.000 EKZ.
5r. 5K. V Per.--Bibliogr: V Koptse Knigi. (54-54399)
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SO: Knizhnaya, Letopis, Vol. 1, 1955

VASIL'YEV, Sergey Vladimirovich; ROZENBERG, Boris Ivanovich; KONDAKCHAN,
V.S., redaktor; VORONIN, K.P., tekhnicheskii redaktor.

[Electrification of peat-extracting enterprises] Elektrifikatsiia
torfopredpriatii. Moskva, Gos. energ. izd-vo, 1954. 360 p.
(Peat machinery)
(MLRA 8:2)

KONDAKHCHAN V.S.

KHACHATRYAN, A.S.; ABADZHEV, Yu.G.; ZOLOTAREV, T.L.; KONDAKHCHAN, V.S.;
ATABEKOV, G.I.; GABASHVILI, N.V.; SISOYAN, G.A.; MAKHARADZE, G.K.;
VORONIN, A.V.; GORTINSKIY, S.M.; KARSAULIDZE, A.N.

Professor A.IA Ter-Khachaturov. A.S.Khachatrian and others.

Elektrichestvo no.8:90 Ag '54.

(Ter-Khachaturov, Arteni Iakovlevich, 1884-

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KONDAKHCAN, Vaag Saakovich; DEMKOV, Ya.D., redaktor; MEDVEDEV, L.Ya.,
tekhnicheskiy redaktor

[Operation of transformers]. Eksploatatsiia transformatorov.
Izd. 2-oe, perer. Moskva, Gos.energ. izd-vo, 1957. 303 p.
(Electric transformers) (MLRA 10:7)

GUL'DENBAL'K, Vadim Vladimirovich; KONDAKHCHAN, V.S., red.; LARIONOV,
G.Ye., tekhn.red.

[Organization and mechanization of the construction of electric
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linii elektropredachi. Moskva, Gos. energ. izd-vo, 1958. 190 p.
(Electric lines--Poles) (MIRA 12:1)

KONDAKHCHAN, Vak Sakovich; GORTINSKIY, S.M., red.; ASANOV, P.M.,
tekhn.red.

[Operation of electric installations used for power station
auxiliaries] Eksploatatsiia elektrooborudovaniia sobstvennykh
nuzhd elektrostantsii. Moskva, Gos.energ.izd-vo, 1959. 207 p.
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(Electric power plants--Equipment and supplies)

KONDAKHCHAN, V.S.

Conference on the manufacture of transformers. *Energetik* 8
no.6:36-38 Je '60. (MIRA 13:7)
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APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824130007-6

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KONDAKHCHAN, V.S.

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1. Nachal'nik tekhnicheskogo otdela Otdeleniya dal'nikh peredach
Vsesoyuznogo gosudarstvennogo proyektno-izyskatel'skogo i nauchno-
issledovatel'skogo instituta energeticheskikh sistem i elektrosetey.

KONDAKCHIAN, V.S.

Testing of small power transformers. Energetik. 13 no.9:38-39
S 165. (MIRA 18:9)

1. Nachal'nik tekhnicheskogo otдела Otdeleniya dal'nikh peredach
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no.6:73 Je '59. (MIRA 12:10)

1. Zamestitel' predsedatelya Mestnogo komiteta Bal'neofizioterapevticheskogo ob'yedineniya Yessentukskogo kurorta (for Kondakhchants).
(Yessentuki--Health resorts, watering places, etc.)

KONDAKOV, A. (Saratov).

Tireless worker of the Air Fleet. Grashd.av.13 no.12:5 D '56.
(Masantsev, Mikhail Evdokimovich) (MLRA 10:2)

KONDAKOV, A., pilot

Without an allowance for the length of service. Grazhd.av. 20
no.5:5-6 My '63. (MIRA 16:7)

(Air pilots)

KONDAKOV, Aleksandr Alekseyevich, zhurnalist; FILATOVA, I.T., red.;
DOROBOVA, N.D., tekhn. red.

[Steel heart of the motherland] Stal'noe serdtse Rodiny. Moskva,
Profizdat, 1962. 221 p. (MIRA 16:2)
(Magnitogorsk--Steel industry)

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Country : USSR
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000824130007-6"

Abs. Jour. : REF ZHUR.BIOL., 21, 1958, NO-95952

Author : Kondekov, A.K.
Institut. : Voronezh Agric. Inst.
Title : The Effect of Small Doses of Manure in a Mixture with Mineral Fertilizers on the "winter Wheat and Corn Yields."
Orig. Pub. : Zap. Voronezhsk. s.-kh. in-ta, 1957, 27, No.2, 357-365

Abstract : No abstract

Card: 1/1

KONDAKOV, A. N.

Three cutter drilling bits

Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-r7,
1952. 50 p. (54-17506)

TJ1225.K64

ZHDANOV, M.M.; KOSTRYUKOV, G.V.; ASFANDIYAROV, Kh.A.; MAKSUTOV, R.A.;
KONDAKOV, A.N.; TURUSOV, V.M.; SILIN, V.A.; PILYUTSKIY, O.V.;
SHELDYBAYEV, B.F.; PETROV, A.A.; SMIRNOV, Yu.S.; KOLESNIKOV,
A.Ye.; DROZDOV, I.P.; IVANTSOV, O.M.; TSYGANOV, B.Ya.;
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LIPONENSKIY, A.Ya.; DANYUSHEVSKIY, V.S.; VEDISHCHEV, I.A.;
ALEKSEYEV, L.G.; KRASYUK, A.D.; IVANOV, G.A.

Author's communications. Neft. i gaz. prom. no.2:67-68

Ap-Je '64.

(MIRA 17:9)

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18G59

USSR/Elec Power System 4501.0500

Nov 1947

"The Ivanovo Power System on the Thirtieth Anniversary of the October Revolution," A. V. Kondakov, Engr, 2 pp

"Elek Stantsii" Vol XVIII, No 11

Discusses system, data on production, plan fulfillment, and modernization of facilities. Mentions outstanding personalities connected with system.

LC

18079

ALEKSANDROV, Boris Sergeevich; ALEKSEYEV, A.P.; ZABOLOTSKIY, F.D.;
KONDAKOV, A.Yu.; NEGODAYEV, V.I.; RYB'YEV, I.A.; SABSATSKIKH,
P.I.; CHARUYSKIY, A.P.; SHOMINOV, I.S.; BABKOV, V.F., doktor tekhnicheskikh nauk, professor, redaktor; CHVANOV, V.G., redaktor; MAL'KOVA, N.V., tekhnicheskii redaktor.

[Handbook for road foremen] Spravochnoe rukovodstvo dlia dorozhnogo mastera. Pod red. V.F.Babkova. Moskva, Nauchno-tekhn. izd-vo avto-transportnoi lit-ry, 1954. 450 p. [Microfilm] (MLRA 8:2)
(Roads)

9.3120

26.1640

25972

S/539/60/000/031/005/014

E071/E135

AUTHORS: Kovtunenکو, P.V., Kondakov, B.V., and Tsarev, B.M.

TITLE: On the chemical methods of determination of free alkali earth elements in effective thermocathodes made on the basis of compounds of these metals

PERIODICAL: Moscow. Khimiko-tehnologicheskii institut. Trudy, No.31, 1960. Issledovaniya v oblasti khimii i tekhnologii elektrovakuumnykh materialov. pp. 36-45

TEXT: Despite the considerable number of experimental works, the problem of concentration of the excess of an alkali earth metal in an oxide cathode, particularly its dependence on various factors and its influence on the operation of the cathode, is not sufficiently clear. The appearance of a number of new types of cathode, the nature of which cannot be established without experimental investigation of the concentration and evaporation of excessive alkali earth elements, made the problem particularly important. For the above reason, the present authors surveyed papers published on this subject. As the concentration of the

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On the chemical methods of

excess of the alkali earth metal in an oxide cathode is of the order of 0.002-0.5 mole % the usual chemical methods are inapplicable and the determination is based either on the determination of the oxygen evolved (if the formation of the excess of the metal from its oxide is accompanied by the evolution of oxygen) or on the consumption of specially introduced gas, capable of combining with the metal. The following methods are described: a) after the usual treatment of the vacuum system, the cathode is activated by drawing the emission current. The oxygen evolved is pumped into a preliminarily evacuated volume and its amount measured with a compression manometer, after which some hydrogen is introduced and reacted with the oxygen. The water formed is frozen out and the measurement of the pressure is repeated. The difference in pressure is ascribed to oxygen. b) Based on the amount of oxygen necessary to transfer the free metal into its oxides. c) Based on a treatment of the activated cathode with water ($\text{Me} + \text{H}_2\text{O} = \text{MeO} + \text{H}_2$ or $\text{Me} + 2\text{H}_2\text{O} = \text{Me}(\text{OH})_2 + \text{H}_2$) and measuring the amount of hydrogen evolved. The special feature of this method, proposed in 1932 by T.P. Bardennikova, is

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On the chemical methods of

the active reaction with water not only with the excess metal but also with oxides of alkali earth elements from which the cathode is made ($\text{BaO} + \text{H}_2\text{O} = \text{Ba}(\text{OH})_2$). This destroys the cathode, but the total excess of the free metal, i.e. not only present on the surface but also in the lattice of the oxide, is measured. d) Based on the reaction of the metal with nitrogen at 200-600 °C forming nitride (Ba_3N_2). On subsequent treatment of the cathode with water, the nitride formed is decomposed with the evolution of ammonia which is determined colorimetrically. e) Based on the reaction between the hot metal and carbon dioxide ($\text{Ba} + \text{CO}_2 = \text{BaO} + \text{CO}$). From the point of view of sensitivity, all methods with the exception of d) are approximately similar and their accuracy depends on the accuracy of the determination of the pressure of the gaseous product. However, the method c) is the most accurate. With the authors' apparatus [not described] it is possible to measure quantities of $3-5 \times 10^{-9}$ g of barium. The necessary precautions to obtain good results with this method are described in some detail (degassing of the glass and water, prevention of penetration of substances capable of reacting with water into the analytical system, e.g. material of

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On the chemical methods of

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E071/E135

the base of the electrode and of the preheater). On the basis of the reaction with water, the authors developed a method of separate determination of barium present in the cathode and barium evaporated from it. A number of glass caps with a piece of iron hermetically sealed in each (to enable their transfer by a magnet) are placed in the vacuo system. At a given time such a cap is placed over the cathode and barium evaporating during the heat treatment condenses on the cap. Subsequently at a given time, the cap is transferred by a magnet into the analytical system for the water treatment and a new cap is put over the cathode. This method can be used for studies of the velocity of evaporation of alkali earth elements from any cathodes from which these metals evaporate. A simultaneous application of this type of analysis with the spectral analysis enables the determination of the rate of evaporation not only of the alkali earth metals but also of their oxides. The method is sufficiently reliable for the determination of the "equilibrium" concentration of alkali earth metals which is established in a cathode after a given time and given operating conditions.

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On the chemical methods of

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E071/E135

A.V. Morozov and A.I. Mel'nikov are mentioned for their contribution in this field.

There are 2 tables and 19 references: 7 Soviet, 1 German and 11 English. The four most recent English language references read as follows:

Ref.8: L.A. Wooten, G.E. Moore, W.G. Guldner,
J. Appl. Phys., V.26, 8, 937 (1955).

Ref.9: G.E. Moore, L.A. Wooten, J. Morrison,
J. Appl. Phys., V.26, 8, 943 (1955).

Ref.10: G. Zibowitz. J. Am. Chem. Soc., V.75, 1501 (1953).

Ref.17: E.S. Rittner. Philips Res. Rep., V.8, 184, (1953).

Card 5/5

9.3/20

25974

S/539/60/000/031/007/014
E073/E335

AUTHORS: Kovtunenکو, P.V., Kondakov, B.V. and Nikonov, B.P.

TITLE: On Disturbing the Stoichiometry of Calcogenides of Alkali Earth Metals During Heat-treatment in Vacuo

PERIODICAL: Moscow. Khimiko-tekhnologicheskiy institut. Trudy. No. 31. Moscow, 1960. Issledovaniya v oblasti khimii i tekhnologii elektrovakuumnykh materialov, pp. 50 -54

TEXT: Using a method of T.P. Berdennikov a quantitative determination was made of the non-stoichiometric barium forming in barium oxide, sulphide and selenide during heat-treatment in vacuo. It was found that under otherwise equal conditions the concentration of the non-stoichiometric barium increased in the following order: BaO; BaS and BaSe. According to data published by V. Grattidge and G. John in Ref. 1 (Russian translation published in Sb. Problemy sovremennoy fiziki, IL, 3, 113, 1954) and B.P. Nikonov and Card 1/3

9.3120
5.2200

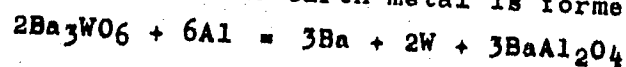
25975
S/539/60/000/031/008/014
E021/E406

AUTHORS: Kovtunenکو, P.V., Kondakov, B.V., Morozov, A.V. and Mel'nikov, A.I.

TITLE: Evaporation of alkaline earth metals from cathodes prepared on a barium-calcium tungstate base

PERIODICAL: Moscow. Khimiko-tekhnologicheskiy institut. Trudy, No.31, 1960. Issledovaniye v oblasti khimii i tekhnologii elektrovakuumnykh materialov, pp.55-59

TEXT: The rate of evaporation of alkaline earth metal from pressed cathodes prepared from refractory salts of these metals is important. The cathodes used in the present investigation were prepared by pressing a mixture of tungsten, aluminium and barium-calcium tungstate into a molybdenum cylinder at a pressure of 20 tons/cm² and sintering at 1950°C. As the cathode is used at 1100 to 1200°C free alkaline earth metal is formed as follows:



Some of the free barium formed immediately evaporates and the rest migrates along the emitter and evaporates gradually. The Card 1/3

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Evaporation of alkaline earth ...

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E021/E406

apparatus used to determine the rate of evaporation was a high-vacuum system and the minimum quantity of barium which could be detected was 5×10^{-9} g. After evacuating the apparatus, the cathode was activated for 30 minutes at 1150 to 1200°C and then the rate of evaporation of barium was determined. Fig.4 shows typical curves of the rate of evaporation of Ba (in g/hr) against time of working of the cathode (hours). The rate of evaporation is highest in the first few hours. With increased time, the rate decreases and tends to a constant value. There are 4 figures, 2 tables and 4 references: 3 Soviet and 1 non-Soviet. The reference to an English language publication reads as follows: E.S.Rittner, W.C.Rutledge, R.H.Ahlert, J.Appl.Phys., 28, No.12, 1468 (1957).

Card 2/3

KONDAKOV, B.V.; KOVTUNENKO, P.V.; BUNDEL', A.A.

Equilibria between the gaseous and condensed phases in the
BaO - H₂O system. Zhur. fiz. khim. 38 no.1:190-196 Ja'64.
(MIRA 17:2)

1. Moskovskiy khimiko-tehnologicheskii institut imeni
Mendeleeva.

(A) L 10513-66 EWT(1)/EWT(m)/EPF(n)-2/EWP(t)/EEG(d)/EWP(b)/ETC(m) IJP(c)

ACC NR: AP5027174 JD/HW SOURCE CODE: UR/0076/65/039/010/2445/2449

AUTHOR: Kondakov, B. V.; Kovtunenkov, P. V.; Bundel', A. A. 71 B

ORG: Moscow Chemical Engineering Institute im. D. I. Mendeleev (Moskovskiy khimiko-tekhnologicheskii institut)

TITLE: Deviations from stoichiometry arising spontaneously in barium oxide crystals

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 10, 1965, 2445-2449

TOPIC TAGS: barium oxide, barium, thermal decomposition, STOICHIOMETRY, CRYSTAL

ABSTRACT: When barium oxide is heated to 900—1150C in a vacuum at a residual pressure of $(1-2) \cdot 10^{-7}$ mm Hg, excess barium is formed spontaneously. No less than 90% of the barium formed is localized on the crystal surface. This formation is apparently due to thermal dissociation. A barium content that is constant at given temperature corresponds to an equalization of the rates at which it is formed and driven off. At 1150C, such a constant barium content is established in 4 to 5 min and amounts to 1.92×10^{-6} g-at Ba/mole BaO. At high temperatures, contact between barium oxide and nickel alloyed with silicon and calcium causes the separation of free barium at the interface. The rate at which the barium is driven out of the site of its formation is determined by a slow transport through the oxide layer; this causes a marked increase in the amount of barium on the oxide-metal interface. Orig. art. has: 3 figures, 2 tables, and 1 formula.

SUB CODE: 07, 20 / SUBM DATE: 03Jul64 / ORIG REF: 006 / OTHER REF: 008

Card 1/1 UDC 541.17

KONDAKOV, G.

On "Trapeze" Mountain. IUn. nat. no.9:31-32 E '57. (MLBA 10:9)

1. Zaveduyushchiy Sukhumskim pitomnikom obez'yan Mediko-biologicheskoy stantsii Akademii meditsinskikh nauk SSSR.
(Sukhumi--Monkeys)

BENOV, St., inzh.; KONDAKOV, G., inzh.

Production of chip boards of the "Okal" type at the State
Enterprise "Longoza" of Cherven Briag. Durvomebel prom 5 no.2:5-9
Mr-Ap '62.

1. Durzhavno industrialno predpriatie "Longoza", Cherven Briag.

KONDANOV, G., Inzh.

Cutting of wood with water jets. Izvomebel' prom 7 no.5:23 S-O '64.

1.NIIPKIDMP.

KONDAKOV, K.

Malokabotazhnye perevozki po Severnomu morskomu puti. /Local coastal shipping along the Northern Sea Route/. (Sovetskaya Arktika, 1940, no. 8, p. 17-25, illus., maps).

DLC: G600.S6

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

KOMDAKOV, K.; NAUMOV, G.

National economic importance of the diamond industry in the
Yakut A.S.S.R. Vop.ekon. no.6:135-140 Je '57. (MIRA 10:7)
(Yakutia--Diamond mines and mining)

KONDAKOV, Konstantin Gavrilovich

[Industrial exploitation of Olekminsk salt] Problema promyshlennogo osvoeniia olekminskoi soli. Iakutsk, Iakutskoe knizhnoe izd-vo, 1957. 109 p.

(Olekminsk District--Salt)

(MIRA 14:7)

ROZHKOV, I.S.; FLEROV, B.L.; KONDAKOV, K.G.

Prospects for the development of the tin industry and basic
research problems. Geol.i geofiz. 4:3-12 '62. (MIRA 15:8)

1. Yakutskiy filial Sibirskogo otdeleniya AN SSSR.
(Tin ores)

KONDAKOV, Konstantin Gavrilovich; NIKADIMOV, F.D., otv. red.;
OKHLOPKOV, Ye.D., red.; SOLOV'YEVA, Ye.P., tekhn. red.

[Development and distribution trends in industry in the
Yakut A.S.S.R.] O napravleniakh razvitiia i razmeshcheniia
promyshlennosti Iakutskoi ASSR, Iakutsk, Iakutskoe knizh-
noe izd-vo, 1962. 143 p. (MIRA 16:12)
(Yakutia--Industries)

KONDAKOV, K.P., inzh. (Chelyabinsk); KRUGLOV, V.M., inzh. (Sverdlovsk)

Conveyor tunnels in the maintenance and inspection stations.
Zhel. dor. transp. 45 no.5:69-71 My '63. (MIRA 16:10)

1. Zamestitel' nachal'nika Yuzhno-Ural'skoy dorogi (for Kondakov).